## WHAT IS CLAIMED IS:

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1. A method of lapping a medium-opposing surface in a thin-film magnetic head, the method comprising the steps of:

preparing the thin-film magnetic head formed on a support, the thin-film magnetic head comprising a magnetoresistive device for reproducing, an inductive electromagnetic transducer for writing, and a heater for generating heat when energized; and

polishing a medium-opposing surface of the thinfilm magnetic head while energizing the heater.

- 2. A method of lapping a medium-opposing surface in a thin-film magnetic head according to claim 1, wherein the magnetoresistive device, inductive electromagnetic transducer, and heater are laminated successively from the support side in the thin-film magnetic head.
- 3. A method of lapping a medium-opposing surface in a thin-film magnetic head according to claim 1, wherein the heater is disposed on a surface of the thin-film magnetic head opposite from the support.
- 4. A method of lapping a medium-opposing surface in a thin-film magnetic head according to claim 1, the method comprising the steps of:
- cutting the support so as to form a bar including thin-film magnetic heads arranged in a row; and

polishing medium-opposing surfaces of the thin-film magnetic heads in the bar while energizing the heater.

5. A method of lapping a medium-opposing surface in a thin-film magnetic head according to claim 4, the method comprising the steps of:

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electrically connecting a plurality of heaters of the thin-film magnetic heads to each other; and

polishing the medium-opposing surfaces of the thin-film magnetic heads while energizing all the heaters in the bar with a single power supply.

- 6. A method of lapping a medium-opposing surface in a thin-film magnetic head according to claim 4, wherein a plurality of heaters of the thin-film magnetic heads in the bar are energized individually.
- 7. A method of lapping a medium-opposing surface in a thin-film magnetic head according to claim 1, the method comprising the steps of:

cutting the support so as to form a bar including thin-film magnetic heads arranged in a row;

cutting the bar so as to form a plurality of head sliders each having a thin-film magnetic head;

mounting the head slider to an arm member so as to form a head gimbal assembly; and

polishing the medium-opposing surface of the thin-film magnetic head in thus obtained state while

medium-opposing

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energizing the heater.

a medium-opposing lapping A method of the method in a thin-film magnetic head, surface comprising the steps of:

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preparing the thin-film magnetic head formed on a support, the thin-film magnetic head comprising an reproducing for magnetoresistive device inductive electromagnetic transducer for writing; and

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polishing a medium-opposing surface of the thinfilm magnetic head while energizing the electromagnetic transducer.

lapping method of Α 9. surface in a thin-film magnetic head according to claim 8, the method comprising the steps of:

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cutting the support so as to form a bar including thin-film magnetic heads arranged in a row; and

polishing medium-opposing surfaces of the thinfilm magnetic heads in the bar while energizing the electromagnetic transducer.

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medium-opposing lapping а of method Α 10. surface in a thin-film magnetic head according to claim 9, the method comprising the steps of:

plurality of а connecting electrically electromagnetic transducers of the thin-film magnetic heads to each other; and

polishing the medium-opposing surfaces of the thin-film magnetic heads while energizing all the electromagnetic transducers in the bar with a single power supply.

- 11. A method of lapping a medium-opposing surface in a thin-film magnetic head according to claim 9, wherein a plurality of electromagnetic transducers of the thin-film magnetic heads in the bar are energized individually.
- 12. A method of lapping a medium-opposing surface in a thin-film magnetic head according to claim 8, the method comprising the steps of:

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cutting the support so as to form a bar including thin-film magnetic heads arranged in a row;

cutting the bar so as to form a plurality of head sliders each having a thin-film magnetic head;

mounting the head slider to an arm member so as to form a head gimbal assembly; and

polishing the medium-opposing surface of the thin-film magnetic head in thus obtained state while energizing the electromagnetic transducer.